**Check Point**

**Use your problem solving skills to answer the questions below in the “console” section of the Sandbox. Try your best to answer these questions on your own as they will prepare you for future lessons. I encourage you to look back at your previous CodeHS lessons if you need any refreshing of the material.**

1. **The NBA is comprised of 6 divisions. They are:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Atlantic** | **Central** | **Southeast** | **Northwest** | **Pacific** | **Southwest** |
| **Toronto** | **Detroit** | **Orlando** | **Minnesota** | **LA Lakers** | **San Antonio** |
| **Brooklyn** | **Chicago** | **Miami** | **Portland** | **LA Clippers** | **Houston** |
| **Philadelphia** | **Cleveland** | **Washington** | **Oklahoma City** | **Sacramento** | **Memphis** |
| **New York** | **Milwaukee** | **Charlotte** | **Denver** | **Golden State** | **New Orleans** |
| **Boston** | **Indiana** | **Atlanta** | **Utah** | **Phoenix** | **Dallas** |

**Create a program that when a certain team name is entered into the system, the computer will automatically tell you which division they are in. HINT: you need to use “if statements”, “else if statements”, and the “or” operator to complete this problem.**

**Bonus:**

If you get ahead, question 1 could use a bit more specification. The NBA has 2 conferences with 3 divisions within each. The Atlantic, Central and Northeast are a part of the Eastern Conference while the Southwest, Northwest, and Pacific are a part of the Western Conference. Add to your program from question 1 a println that will also tell the user which conference the team is a part of.

1. **At Monty Burns’ Casino you must have three seashells show up on the screen to win on a slot machine. The pictures used on the slot are a seashell, a fish, and a boat. When all three pictures of a seashell show up, the winner receives $1000. When two fish and one boat appear, the player receives $500. Create a program that determines if the player has won either the $1000 or $500 dollar prize. Remember, only the two scenarios above warrant a winner. Any other combination will be a loss. HINT: you need to use “if statements”, “else if statements”, and the “and” operator to complete this problem.**

The questions are meant to challenge you so don’t get frustrated if they don’t come to you quickly…They will take time.